

FARHAN ADITYA

RAMADHAN

+6281181232030 | adin.ramaadin@gmail.com
<https://www.linkedin.com/in/adinramaadin/>
[https:// farhanadityaramadhan.github.io](https://farhanadityaramadhan.github.io)
Grogol, DKI Jakarta

Education

BACHELOR OF ECONOMICS | Universitas Indonesia | Depok, Indonesia

2021

Majors: Economics

Thesis: Does Tax Reliance Cause Democracy? Evidence from Historical Crop Appropriability

Research Interests: Historical Economics, Macroeconomics, Political Economy, Development Economics, Public Finance, and Applied Econometrics

Skills

- **Programming:** R, Python, Quarto
- **Statistical Software:** Stata, EViews
- **Excel:** Power Query, Power Pivot, DAX, ETL, XLOOKUP, M Language, Pivot Tables, Charts
- **SQL:** SQLite, PostgreSQL

Professional Experience

RESEARCH ASSISTANT | INTERN | SMERU RESEARCH INSTITUTE

September 2025 – December 2025

- Conducted **quantitative analysis of SUSENAS microdata (2024)** using **Stata** examining socio-economic determinants of child protection and development across multiple provinces in Indonesia.
- Designed and implemented **data management and cleaning workflows**, writing and optimizing **Stata `.do` files** for labeling, merging, and transforming large datasets to ensure reproducible, high-quality analysis.
- Supported **econometric modeling and descriptive statistical analysis**, generating empirical evidence to inform **policy recommendations** on child-development assurance under Indonesia's national social-protection framework.
- Conducted **fieldwork** in Kabupaten Batang (Jawa Tengah), including household interviews and facilitating focus group discussions (FGDs) with local stakeholders, integrating qualitative insights into quantitative findings.
- Participated in **interviews** with experts and policymakers from **ministries and government agencies (K/L)**, contributing to a comprehensive mixed-methods policy evaluation.
- Prepared **data summaries, analytical documentation, and policy briefs**, contributing to the **joint SMERU-Bappenas–UNICEF study** on strengthening Indonesia's child-development policies.

RESEARCH ASSISTANT | CONTRACT | LABORATORIUM INDONESIA 2045

April 2025 – August 2025

- Contributed **~40% of the project's analytical workload** for ["80 Tahun Menjaga Kualitas Lingkungan Indonesia"](#), focusing on methodological design, econometric modelling, and multi-decade data analysis.
- **Identified and applied the Bootstrap ARDL with Fourier terms** in **EViews** and **Python**, improving robustness of long-run estimates and enabling the detection of structural shifts across 80 years of time-series data.
- **Cleaned, transformed, and visualized** 8 decades of environmental and macroeconomic data from multiple sources using Python & Stata, reducing preprocessing time by **~30%** through reproducible, documented workflows.
- Synthesized **50+ academic sources** into a literature review and contributed to qualitative projections of Indonesia's environmental and political-economic outlook to 2045, supporting the project's qualitative analysis alongside my main quantitative work.
- Participated in coordination meetings and supported the organization of focus group discussions, expert interviews, and seminar, ensuring effective research execution and documentation.

ECONOMIC ANALYST | INTERN | KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL (ESDM)

Januari 2025 – April 2025

- Conducted macroeconomic analysis on **fuel subsidy reform** and **export proceeds retention (DHE)** policies using Susenas, SEKI, and Input-Output Tables, providing insights that informed internal policy discussions.
- Reviewed and synthesized **policy documents** on energy subsidies, Domestic Market Obligations (DMO), and illegal mining (PETI), streamlining information for faster decision-making by **Staff Khusus Menteri Percepatan Penyelesaian Isu Strategis Sektor ESDM (SKMPPISS ESDM)**
- Drafted concise **policy briefs and recommendations**, translating technical findings into actionable points for policymakers.
- Took **structured meeting minutes** and coordinated follow-up actions across multiple stakeholders, improving interdepartmental communication and ensuring timely policy development steps.

Projects

INDONESIA'S TAX POLICY ANALYSIS | Personal Project

August 2025

- Conducted a **policy analysis of Indonesia's VAT reform** using official datasets (UNU-WIDER, IMF, WGI) and **R-based visualizations** to compare fiscal capacity and governance across ASEAN economies.
- Created a **LaTeX-formatted academic paper** integrating quantitative evidence, causal diagrams, and APA-style literature synthesis

within the **fiscal capacity and institutional economics** framework.

- Produced **data-driven insights** on the link between **tax performance, governance quality, and policy effectiveness**, demonstrating advanced skills in **R, LaTeX, and economic analysis**.

[DATA JOB MARKET ANALYSIS](#) | Personal Project

September 2024

- Conducted in-depth analysis of 200+ data analyst job listings using **SQL (PostgreSQL)** in **VSCode**.
- Cleaned, aggregated, and queried data with **SQL**, improving data quality and accuracy for further analysis.
- Designed and created clear visual reports in **Python**.

[DATA SCIENCE CAREER SALARY DASHBOARD & ANALYSIS](#) | Personal Project

November 2024

- Created a **Salary Dashboard** in Excel using **bar charts** and a **map chart**.
- Analyzed 2023 data science job listings with **Power Query, PivotTables, and DAX** to identify trends and key points.
- Cleaned and transformed data using **ETL tools** to ensure accuracy and performed **Exploratory Data Analysis**.

[QUANTITATIVE ANALYSIS OF CERTAIN GAS POLICY IMPACT ON ECONOMIC INDICATORS](#) | Personal Project

December 2024

- Conducted **descriptive analysis** Analyzed HGBT policies' impact on economic indicators using **data visualization**.
- Developed **OLS regression models** in **Python** to assess the economic impact of the Certain Price of Natural Gas Policy.
- Produced detailed **reports** highlighting policy outcomes, contributing to **data-driven** policymaking recommendations.

[BIKE-BUYING TRENDS DASHBOARD](#) | Personal Project

November 2024

- Cleaned and prepped data using **Power Query**, removing duplicates, reformatting values for optimal analysis
- Built **pivot tables** and **charts** to analyze bike-buying trends by groups.
- Developed an **interactive Excel dashboard** with **slicers** for easy filtering and exploration.

[COFFEE ORDERS DASHBOARD](#) | Personal Project

November 2024

- Cleaned and transformed the dataset using Power Query and M language, automating tasks like data cleaning, merging tables, and recalculating key metrics.
- Built pivot tables and charts to analyze key metrics.
- Developed an interactive Excel dashboard with slicers to allow dynamic filtering and exploration of insights.

Volunteering, Activities, and Societies

BADAN OTONOMONOMIA UNIVERSITAS INDONESIA (BOE UI) | 3 YEARS

- **Head Of Analyst Division**
 - Lead the Analyst Division, managing strategic initiatives, overseeing key projects, and coordinating efforts to enhance the division's performance and impact.
- **Senior Staff of Analyst Division**
 - Assisted in planning and executing division projects, mentored junior members, and contributed to various strategic tasks within the organization.
- **Junior Staff of Analyst Division**
 - Supported division leadership in organizing events and initiatives, ensuring smooth operations and successful outcomes.

DISKUSI PUBLIK BOE | EVENT MANAGER

- Assisted with planning and executing Diskusi Publik, managing logistics, coordinating team, and ensuring smooth operations. Contributed to the event's success through effective organizational skills and teamwork.

ESPRESSO BOE | EVENT MANAGER

- Planned and executed Espresso 8, a flagship event with over 150 participants. Developed and implemented event solutions, demonstrating project management skills and adaptability to meet diverse needs.

LAUNCHING MAJALAH ECONOMICA | EVENT STAFF

- Contributed to the planning and execution of the Launching Majalah Economica. Played a key role in developing event solutions and collaborating with cross-functional teams, going beyond my role to ensure the event's success.

UI GUIDE | EDITORIAL STAFF

- Served as an editor for UI Guide, leveraging strong communication skills to collaborate with team members and external contributors, ensuring high-quality content.

OPK FEB UI | STUDENT MENTOR

- Mentored new students during FEB UI's orientation program, guiding them through academic and personal transitions, and fostering a positive, inclusive community.